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VPL-SW535 Projector

WXGA resolution ultra short throw projector with 3000 lumens brightness

3LCD

BrightEra™
Long Lasting Optics

The VPL-SW535 WXGA projector delivers a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.58 metres (1.9 feet) away from the screen creating a shadow-less image. This projector has been designed to be easy to operate and to delivery a low total cost of ownership. It is an ideal choice for ultra close projection applications in the corporate and educational markets.

Furthermore, in common with all Sony projectors, the VPL-SW535 features the Sony BrightEra 3LCD inorganic panel technology that delivers higher picture quality, substantially brighter images, higher efficiency, better contrast, consistent colour stability and longer durability and usability

The VPL-SW535 also features 3 different brightness modes to suit each individual user's needs. In the high brightness, the projector has a brightness of 3000 lumens. The low brightness mode generates lower operating costs by reducing power consumption and extending the lamp lifetime to approximately 6000 hours. This projector also has a contrast ratio of 2500:1, an HDMI digital input, video inputs, RJ45 or RS232C connectors for control, all making the VPL-SW535 an all round projector that can be installed in a wide range of close environments with the supplied mounting bracket.

Maximum 3000 lumens brightness with High, Standard and Low modes
The VPL-SW535 features three brightness modes for different uses – High for naturally white presentations in bright rooms (3000 Lumens), Standard for everyday use (2400 Lumens) and Low for video in darkened rooms (2000 Lumens).

Lens Shift Function
The projector is equipped with horizontal and vertical lens shift functions for greater installation flexibility. Using this function, the position of the projected image can be moved vertically up and down by 4.4% and horizontally from -2.7% through to +2.7%.

0.27 - 0.29:1 Throw Ratio
The VPL-SW535 offers a 0.27 - 0.29:1 throw ratio that produces a 2.03M (80") diagonal screen size image from only 0.58 metres (1.9 feet) away from the screen.

ECO Mode Key
Users can easily select power-saving ECO Modes. The most energy-efficient mode is accessible though a single button-push, with further adjustments available through an easily understood menu system.

Filter replaced at the same time as Lamp
The filter only needs to be cleaned when a new lamp is fitted, potentially halving disruption due to maintenance.

Key Features

ECO Lamp Dimming
This projector (if this function is selected) can reduce power consumption and brightness by 10-15%. After a user pre-set time, the brightness and power consumption will reduce to 30% power usage, with instant 100% brightness returning as soon as a new signal input is detected.

ECO Picture Mute - (Instant Off/Instant On)
The new ECO Picture Mute feature reduces power consumption down to 30%, saving cost and lamp hours. This feature can be used in the classroom as instant off/instant on in-between class changes. There is no need to power completely off and turn back on, which is time consuming.

6000 Hours Lamp Life
A new driving scheme reduces gap expansion which minimises brightness gradation. A new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

Other Features

Vertical Keystone Adjustment
The projector can correct keystone distortion by +/- 5% for perfect installation adjustment to the smart board or screen. (Note that since this is an electronic correction, it will reduce the picture quality slightly.)

Digital Zoom
With Digital Zoom, users can enlarge a selected area of a computer-sourced image on the screen up to four times.

Six Picture Modes
The VPL-SW535 has six available picture modes for correct picture quality; Dynamic, Standard, Game, Living, Cinema and Presentation. With six picture modes and 3 brightness modes combined, users can select the most suitable picture/brightness mode according to the picture source and environment for the perfect image.

3LCD BrightEra Technology
The Sony 0.75 inch BrightEra inorganic TFT 3LCD panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability.

Digital / HD Ready
With the HDMI input, the VPL-SW535 can accept digital signals from a PC or video source.

Smart APA (Auto Pixel Alignment)
When a computer is used as a picture source, APA automatically optimises Phase, Pitch and Shift values. These can also be adjusted manually.

Auto Input Search
Auto Input Search detects which input has an incoming signal and automatically switches to it. This makes it easier for users to set up the projector prior to making a presentation.

Picture Muting / Audio Muting
If there is a need to blackout the image or turn off the audio from the projector, all it takes is a single button-press on the remote control. One button will mute audio and image at the same time. There is also a separate "mute audio" button for audio-only muting.

Audio Switcher Facility
To avoid the need for a separate audio switcher, the projector can be used to select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function
Picture Freeze is useful during presentations where users need to look at other material on their PC's screen without the viewing audience being aware. Freeze the current image and users can use their PC independently of the display from the projector.

Off and Go
At the end of a presentation, users can turn off the power supply to the projector immediately, instead of going through a 'power down' cycle.

Direct Power On/Off
With this function, there is no need to go through 'Standby' mode when powering up the projector. The projector can be set to activate as soon as power is supplied.

Built-in Security Measures
The VPL-SW535 has a package of security measures, including password protection and physical anti-theft anchor points.

Web Control and Monitoring / E-mail Report
Built-in Web Browser IE allows the user or AV manager to check a projector status remotely. Power ON/STANDBY, input/output, lamp usage (hours) can be controlled. An E-mail address can also be set to notify lamp exchange/replacement or any unexpected problems.

PrimeSupport

All Sony Professional's business projectors sold into the EU, Norway and Switzerland come supplied with a 3 year PrimeSupport pack. This offers unique services and benefits over and above standard warranty:-

3 Years Cover
Freephone telephone helpdesk support (00800 7898 7898) in 5 languages. Collection, repair and return anywhere in EU, Norway and Switzerland.

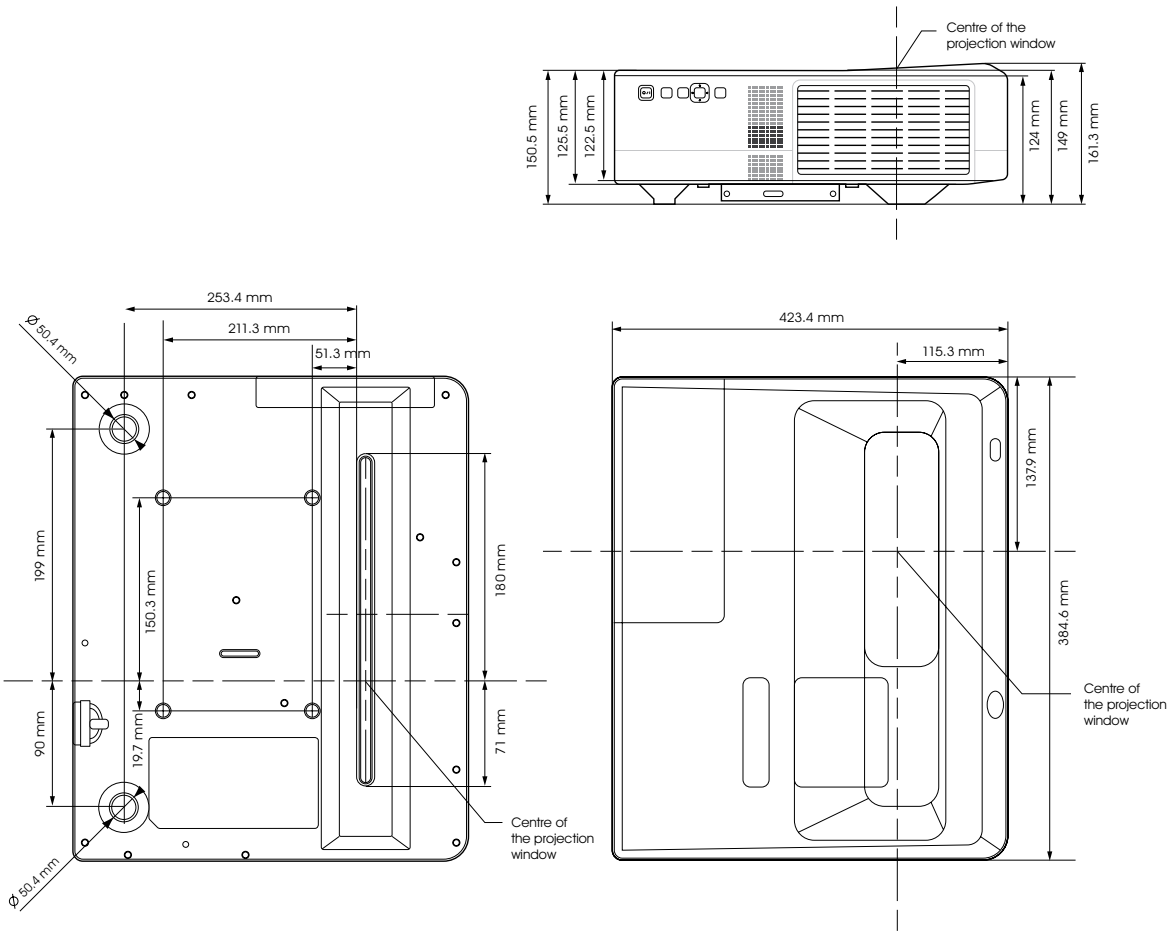
In addition, optional PrimeSupport Plus packs can be purchased which can further enhance the 3 year support to give extra peace of mind:-

- A 2 year extension of the standard 3 year PrimeSupport to give long-term assurance of expert support, technical assistance and repairs for 5 years from purchase date.
- Provision of a loan unit for 3 or 5 years cover to ensure minimal impact to the customer's business in case of product failure.
- Cover for a lamp failure throughout the 3 year PrimeSupport term for customers who don't want to have any unexpected running costs.

Prime Support

Prime Support Plus

Dimensions



Connector Panel

Technical Specifications

Specifications		VPL-SW535
Display system		3 LCD system
Display device	Size of effective display area	0.75" (15.0 mm) x 3, BrightEra, Aspect ratio: 16:10
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels
Projection lens	Zoom	x1.05
	Focus	Manual
	Lens Shift	V: +/ 4.4%, H: +/- 2.7%
Throw Ratio		0.27 - 0.29:1
Digital Zoom		x4
Light source		High-pressure mercury lamp 210 W type
Recommended lamp replacement time*1		3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)
Filter cleaning cycle*1		6000 H - New Filter System
Screen size		70" to 130" (1.8 m to 2.8 m)
Light output (Lamp mode: High / Standard / Low)		3000 lm / 2400 lm / 2000 lm
Colour light output		3000 lm / 2400 lm / 2000 lm
Contrast ratio (full white / full black)*2		2500:1
Fan noise		28dB (low)
Speaker		1 W x 1 (monaural)
Displayable scanning requency	Horizontal	14 kHz - 93 kHz
	Vertical	47 Hz - 93 Hz
Display resolution	Computer signal input	Maximum input signal resolution: 1600 x 1200 (resizing display) fV60Hz Panel display resolution: 1280 x 800 pixels
	Video signal input	Video (Composite), 15K (480/60i, 576/50i,), DTV (480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i)
Colour system		Auto / NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
Keystone correction		Vertical: Max. +/- 5 degrees
OSD language		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi)
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack
	INPUT B	HDMI™
	S VIDEO IN	S video input connector: Mini DIN-4 pin Audio input connector: RCA (shared with VIDEO IN)
	VIDEO IN	S video input connector: Mini DIN-4 pin Audio input connector: RCA (shared with S VIDEO IN)
	OUTPUT	Monitor output connector*3: Mini D-sub 15-pin (female), Audio output connector*4: Stereo mini jack (variable out)
Control signal input/output		RS-232C connector: D-sub 9-pin (male)
		LAN connector: RJ45, 10BASE-T/100BASE-TX

Specifications		VPL-SW535
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85%; no condensation)
Storage temperature (Storage humidity)		-20°C to +60°C / -4°F to +140°F (10% to 90%)
Power requirements		AC 100 V to 240 V, 3.6- 1.4 A, 50 Hz /60 Hz
Power consumption	AC 100 V to 120 V	290W (High brightness mode)
	AC 220 V to 240 V	280W (High brightness mode)
Standby mode power consumption	AC 100 V to 120 V	8W / 0.3 W (Standby mode: Standard / Low)
	AC 220 V to 240 V	8W / 0.3 W (Standby mode: Standard / Low)
Heat dissipation	AC 100 V to 120 V	989 BTU
	AC 220 V to 240 V	955 BTU
Standard outside dimensions		W 384.4 x H 161.1 x D 423.4 mm / W 15 1/8 x H 6 11/32 x D 16 21/32 in W 384.4 x H 122.5 x D 423.4 mm / W 15 1/8 x H 4 13/16 x D 16 21/32 in (without protrusion)
Mass (without wall mount)		7.0kg / 15lb 7oz
Supplied accessories		Wall Mount Bracket, RM-PJ7 Remote Commander RM-PJ7 (1) CR2025 Lithium Battery (1) Mini D-sub 15-pin cable (1) Lens Cap (1) Operating Instructions (1) WEEE, EU Battery Info, Service Documentation, Quick Reference Manual (1), AC power cord (1)
Optional accessory		LMP-E212 Projector Lamp

*1: The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*2: The value is average.
*3: Not available in standby.
*4: Works as audio switcher function. From current channel only. Not available in standby.

Optional Accessory

LMP-E212
Projector Lamp (for replacement)

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